

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1317913

Luminaire Tested: P3SQAS09R609835DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R609835DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

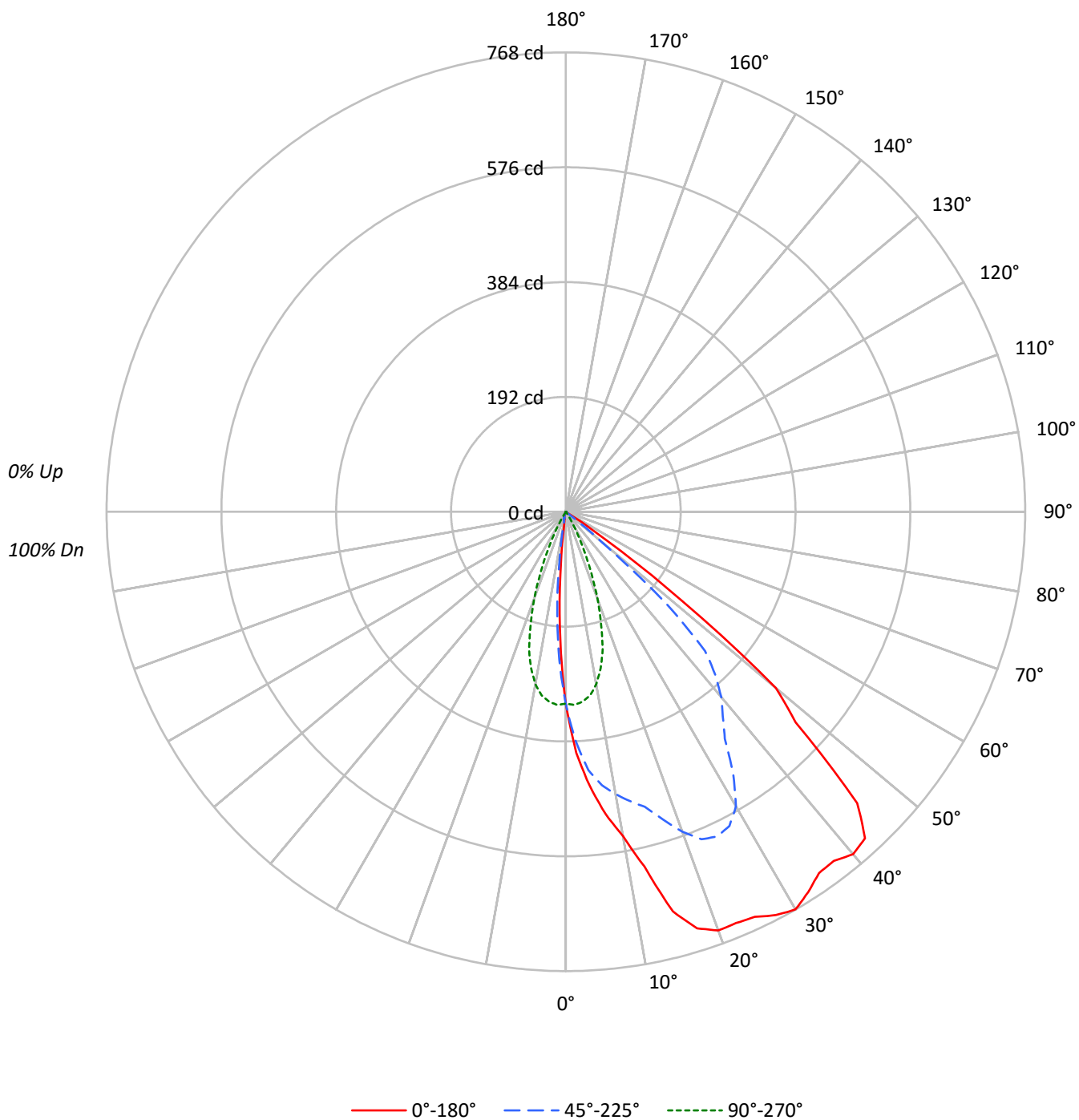
Lumens per Lamp: N/A
Luminaire Lumens: 521.0 lumens
Efficiency: N/A
Efficacy: 47.4 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	55215	55215	55215	55215	55215
5°	79577	74944	55114	28404	18239
10°	96254	83785	51170	3393	1994
15°	123364	91021	42399	2229	1836
20°	136522	104320	28426	1246	202
25°	141988	113807	13986	114	0
30°	152669	113095	3858	0	0
35°	155056	97364	0	0	0
40°	167986	90783	0	0	0
45°	167813	80155	0	0	0
50°	122873	19398	0	0	0
55°	23991	0	0	0	0
60°	0	0	0	0	0
65°	0	245	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	595	595	0
85°	0	1186	1186	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 168105 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	5.3
10°-20°	78.4	15.0
20°-30°	124.9	24.0
30°-40°	144.4	27.7
40°-50°	114.7	22.0
50°-60°	30.2	5.8
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	230.9	44.3
0°-40°	375.3	72.0
0°-60°	520.1	99.8
0°-90°	521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	521.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	321	321	321	321	321	
5°	460	434	319	164	106	46
15°	692	510	238	12	10	193
25°	747	599	74	1	0	348
35°	738	463	0	0	0	468
45°	689	329	0	0	0	491
55°	80	0	0	0	0	120
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	320.6	320.6	320.6	320.6	320.6	320.6	320.6	320.6	320.6	320.6	320.6
2.5°	403.3	407.2	405.5	403.8	399.8	398.1	398.1	393.6	386.1	385.0	379.9
5°	460.3	461.4	461.4	460.3	457.4	452.9	451.7	447.2	440.3	433.5	426.6
7.5°	509.9	509.3	505.9	503.6	498.5	492.2	486.5	480.3	470.0	460.9	451.2
10°	550.4	552.1	549.3	543.6	536.7	528.2	519.0	508.2	492.8	479.1	466.6
12.5°	607.5	606.9	599.5	589.8	573.2	557.3	543.0	531.0	512.2	495.7	480.3
15°	691.9	690.7	683.9	675.3	651.4	627.4	602.9	569.2	537.9	510.5	488.8
17.5°	730.1	732.4	726.7	722.1	708.4	692.4	670.8	637.1	588.6	539.0	493.4
20°	744.9	747.8	743.8	743.2	736.9	729.5	711.8	675.3	628.0	569.2	512.8
22.5°	744.3	746.6	744.9	752.3	759.7	755.8	734.1	697.6	649.1	592.6	528.7
25°	747.2	745.5	739.2	750.0	760.9	757.5	746.6	715.3	662.2	598.9	534.4
27.5°	760.3	747.8	735.2	748.9	754.0	755.2	748.9	711.8	659.9	592.1	523.0
30°	767.7	754.0	743.8	755.2	755.2	761.5	748.3	706.1	640.5	568.7	492.8
32.5°	754.0	751.2	760.3	771.7	774.6	774.6	745.5	687.3	608.0	520.8	444.3
35°	737.5	744.3	770.6	775.7	775.7	763.2	727.8	654.2	559.5	463.1	408.4
37.5°	735.8	746.6	775.7	769.4	759.2	735.8	684.5	596.6	490.5	430.6	381.6
40°	747.2	757.5	774.6	751.8	727.2	690.7	629.1	521.3	448.9	403.8	349.1
42.5°	740.4	750.0	750.6	717.0	682.2	632.5	551.0	460.3	418.7	369.6	312.0
45°	689.0	690.2	687.9	651.9	616.0	564.7	478.0	430.1	385.6	329.1	229.3
47.5°	520.8	518.5	527.0	516.8	518.5	487.7	434.1	394.7	341.7	231.0	69.6
50°	458.6	455.7	447.2	438.1	428.9	414.1	389.0	346.8	246.4	72.4	2.3
52.5°	245.8	259.5	286.3	327.4	342.8	341.7	322.8	256.7	77.6	0.6	0.0
55°	79.9	78.7	87.8	103.8	142.6	164.3	171.1	87.3	1.7	0.0	0.0
57.5°	0.0	0.0	0.0	1.7	5.7	14.8	19.4	1.1	0.0	0.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	320.6	320.6	320.6	320.6	320.6	320.6	320.6	320.6
2.5°	373.0	365.0	355.9	323.4	285.2	248.1	221.3	214.5
5°	415.8	402.1	382.7	318.8	235.6	164.3	117.5	105.5
7.5°	438.1	426.1	405.5	309.7	182.5	81.0	30.2	20.5
10°	451.7	437.5	414.7	292.6	119.2	19.4	10.8	11.4
12.5°	461.4	444.9	419.2	268.1	60.5	9.7	13.7	14.3
15°	465.4	447.7	418.7	237.8	21.7	12.5	12.0	10.3
17.5°	463.1	440.9	411.2	194.5	7.4	12.0	6.3	5.1
20°	460.3	435.2	399.3	155.1	6.3	6.8	2.3	1.1
22.5°	469.4	425.5	382.7	111.2	6.3	2.3	0.0	0.0
25°	470.6	421.5	361.6	73.6	2.9	0.6	0.0	0.0
27.5°	459.2	398.1	329.1	43.3	0.0	0.0	0.0	0.0
30°	422.7	369.0	294.3	19.4	0.0	0.0	0.0	0.0
32.5°	386.7	336.5	255.5	4.6	0.0	0.0	0.0	0.0
35°	358.2	302.9	212.8	0.0	0.0	0.0	0.0	0.0
37.5°	322.8	262.9	158.6	0.0	0.0	0.0	0.0	0.0
40°	285.8	212.2	79.3	0.0	0.0	0.0	0.0	0.0
42.5°	223.0	101.0	8.0	0.0	0.0	0.0	0.0	0.0
45°	85.6	9.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
65°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
67.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
70°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
72.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
75°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
77.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)